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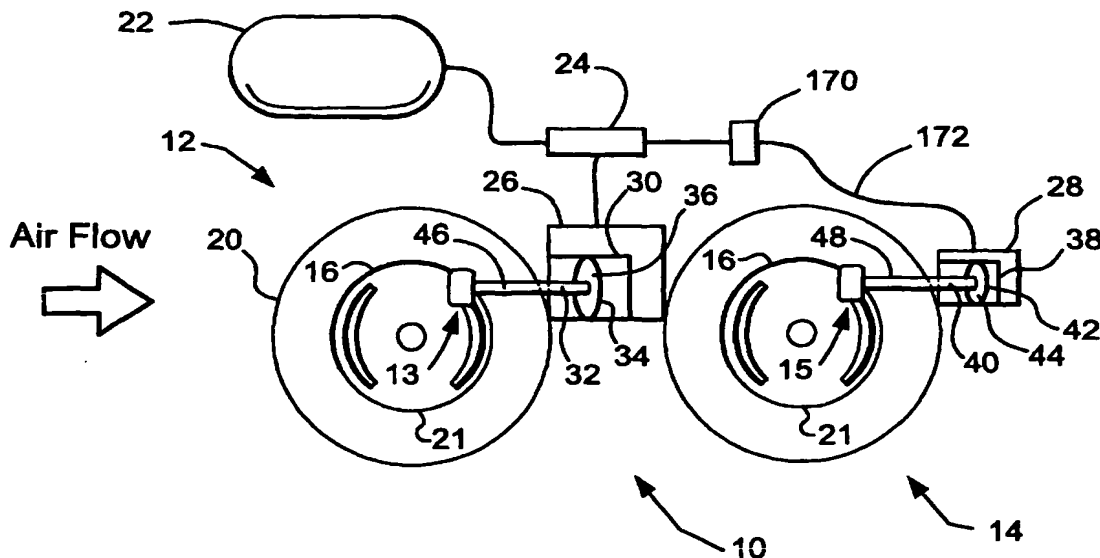
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(54) Title: BRAKE BALANCE SYSTEM FOR TANDEM AXLES



(57) Abstract: A tandem axle system (10) has a first brake axle (13) and at least a second brake axle (15). The first axle has a first brake actuating chamber with a first diaphragm (35) and the second axle has a second brake actuating chamber with a second diaphragm (44). The first axle also has a first brake actuating arm (46) and the second axle has a second brake actuating arm (48). The size of the second diaphragm can be reduced as compared to the first diaphragm and/or the length of the second brake actuating arm can be reduced as compared to the first brake actuating arm to reduce the braking force applied to the second axle.



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